WHAT IS CLAIMED IS:

1. A process for preparing a filled halobutyl elastomer which comprises admixing at least one halobutyl elastomer with at least one mineral filler, wherein the filler is first reacted with at least one organic compound containing at least one basic nitrogen-containing group and at least one hydroxyl group and optionally with at least one silazane compound and then admixed the with the halobutyl elastomer.

2. A process according to Claim 1, wherein the organic compound containing at least one basic nitrogen-containing group and at least one hydroxyl group comprises a primary alcohol group or a carboxylic acid group.

3. A process according to Claim 1, wherein the organic compound containing at least one basic nitrogen-containing group and at least one hydroxyl group comprises a primary alcohol group and an amine group separated by methylene bridges, which may be branched.

4. A process according to Claim 1, wherein the organic compound containing at least one basic nitrogen-containing group and at least one hydroxyl group comprises a carboxylic acid group and an amine group separated by methylene bridges, which may be branched.

5. A process according to Claim 1, wherein the organic compound containing at least one basic nitrogen-containing group and at least one hydroxyl group is selected from the group consisting of monoethanolamine, N,N,-dimethylamino-ethanol, a natural or synthetic amino acid and protein.

6. A process according to Claim 1, wherein the silazane compound is an organic silazane compound.

7. A process according to Claim 6, wherein the silazane compound is a disilazane compound.

8. A process according to Claim 1, wherein the mineral filler is selected from the group consisting of regular or highly dispersable silica, silicates, clay, gypsum, alumina, titanium dioxide, talc and mixtures thereof.

9. A process according to Claim 1, wherein the halogenated butyl elastomer is a brominated butyl elastomer.

10. A process according to Claim 1, wherein the amount of the organic compound containing at least one basic nitrogen-containing group and at least one hydroxyl group is in the range of from 0.5 to 10 parts per hundred parts of elastomer.

11. A process according to Claim 1, wherein the amount of silazane is in the range of from 0.5 to 10 parts per hundred parts of elastomer.

12. A method of improving the abrasion resistance of a filled, cured elastomer composition comprising at least one halogenated butyl elastomer comprising admixing the halogenated butyl elastomer with at least one mineral filler that has been reacted with at least one organic compound containing at least one basic nitrogen-containing group and at least one hydroxyl group and, optionally, with a silazane compound before admixing the filler with the halobutyl elastomer and curing the elastomer composition.